# MÉMOIRES

DE

# GÉOMÉTRIE DESCRIPTIVE,

## THÉORIQUE ET APPLIQUÉE.

PARIS. — IMPRIMÉ PAR E. THUNOT ET C$^{o}$,
26, rue Racine, près de l'Odéon.

# MÉMOIRES

DE

# GÉOMÉTRIE DESCRIPTIVE,

## THÉORIQUE ET APPLIQUÉE.

**Par M. Theodore OLIVIER,**

Ancien élève de l'École polytechnique et ancien officier d'artillerie, Docteur ès sciences de la Faculté de Paris,
Ancien professeur adjoint de l'École d'application de l'artillerie et du génie à Metz;
Ancien répétiteur à l'École polytechnique, Professeur de géométrie descriptive au Conservatoire des arts et métiers,
Professeur-fondateur de l'École centrale des arts et manufactures;
Membre honoraire de la Société philomatique de Paris et du Comité des arts mécaniques de la Société d'encouragement pour l'industrie nationale,
Membre étranger des deux Académies royales des sciences et des sciences militaires de Stockholm,
Membre correspondant de la Société royale des sciences de Liége et de la Société d'agriculture et arts utiles de Lyon,
des Académies des sciences de Metz, Dijon et Lyon,
Officier de la Légion d'honneur et Chevalier de l'Ordre royal de l'Étoile polaire de Suède



## ATLAS.



PARIS.
CARILIAN-GOEURY ET Vve DALMONT,
LIBRAIRES DES CORPS DES PONTS ET CHAUSSÉES ET DES MINES,
Quai des Augustins, N° 49.

1852.

Fig. *a*.

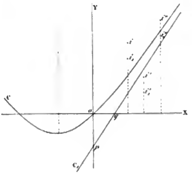


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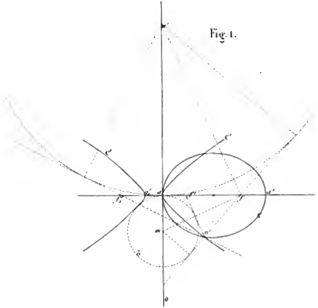


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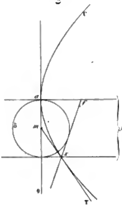


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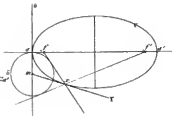
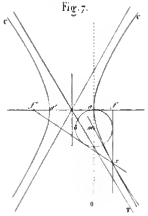


Fig. 7.





*Dessiné par Théodore Olivier.*

Fig. 3.

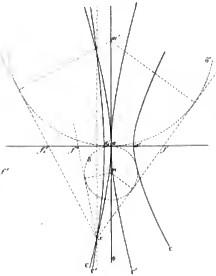


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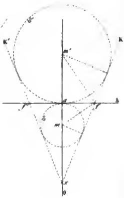


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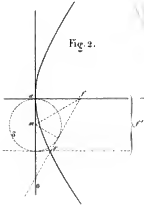


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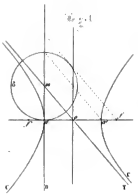


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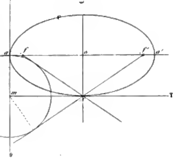
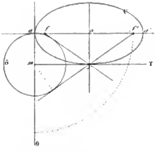
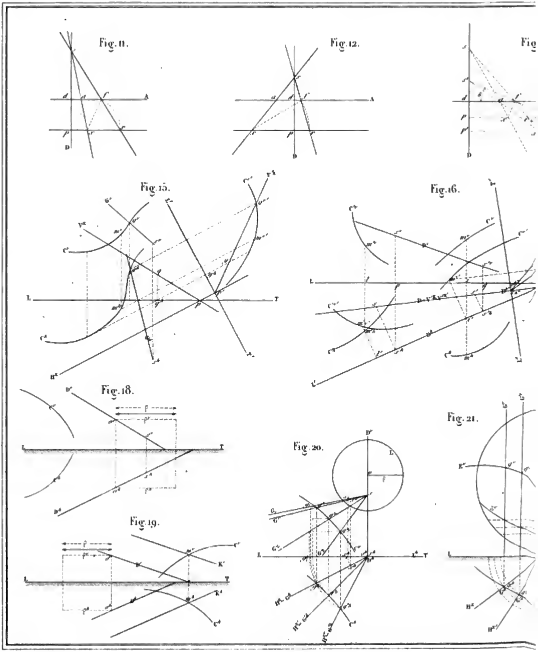


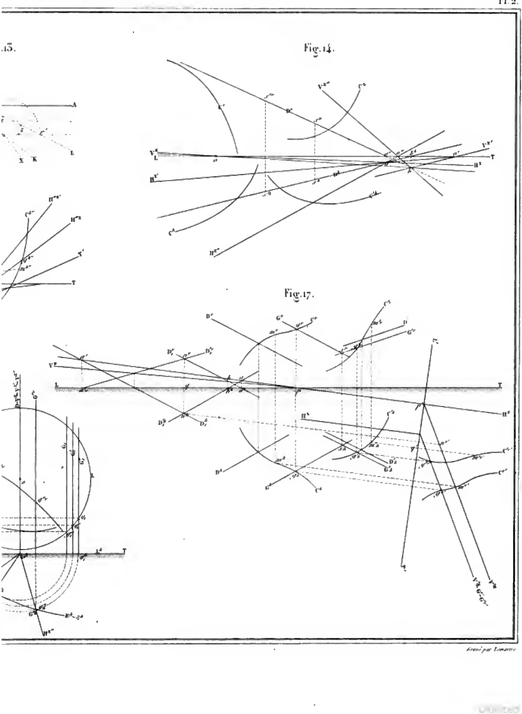
Fig. 9.



Gravé par Lemaître.




Dessiné par Théodore Olivier




Gravé par Lemaitre

Fig. 22.

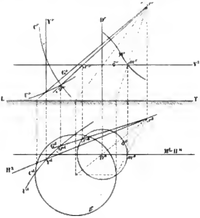


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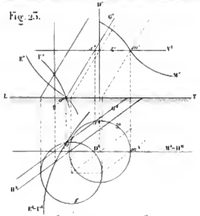


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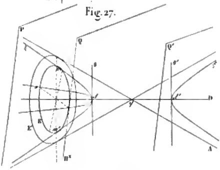


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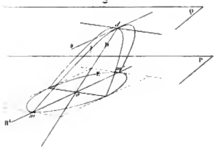


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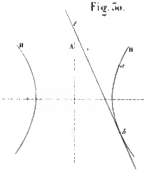
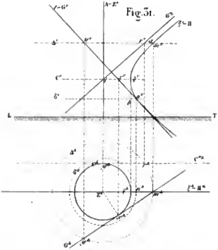


Fig. 31.





Dessiné par Théodore Olivier

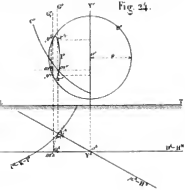


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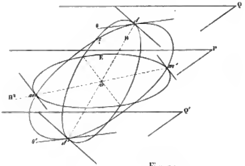


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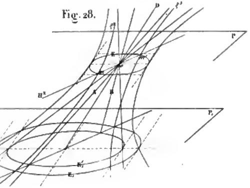


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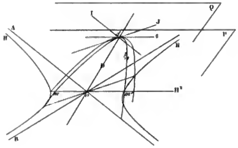


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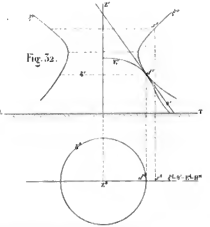


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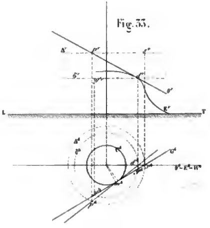
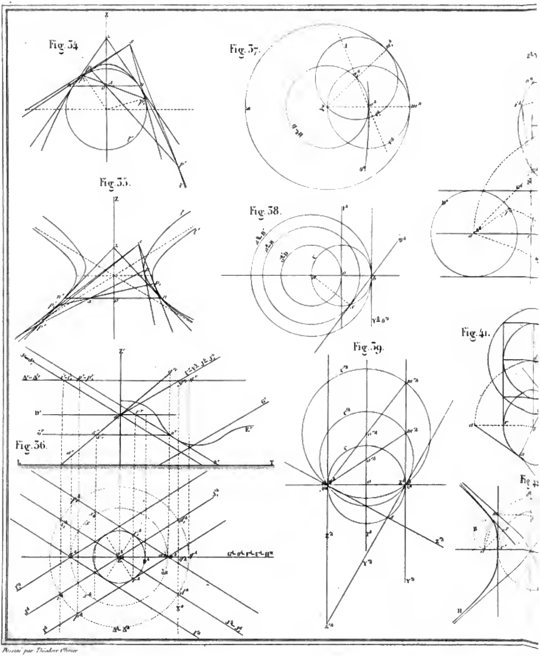
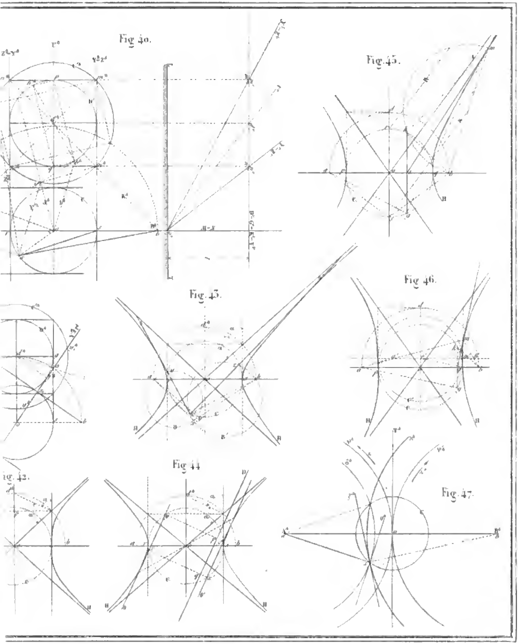


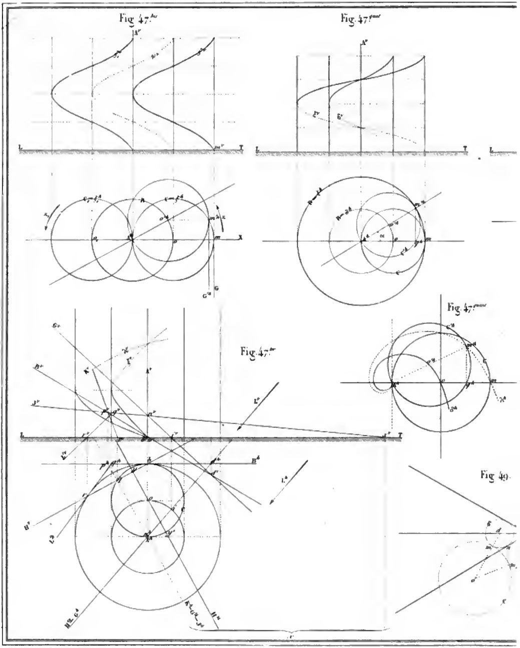
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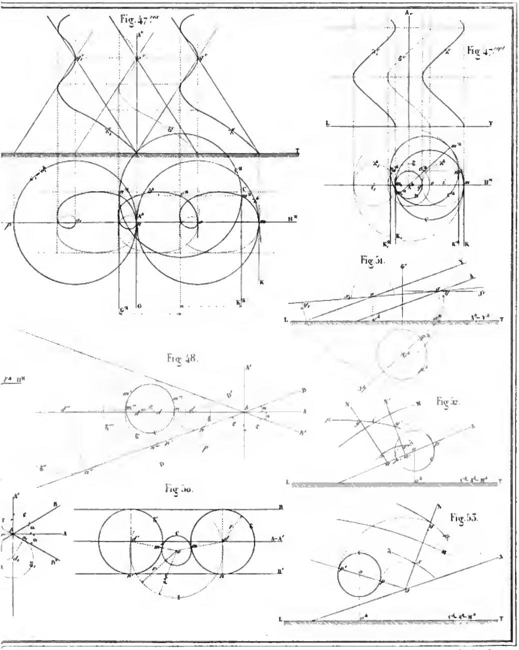

Dessiné par Théodore Olivier



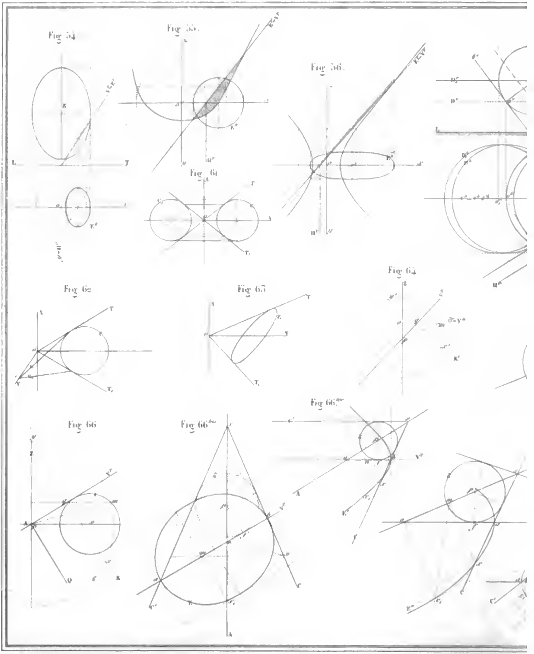

Gravé par Lemaître




*Dessiné par Théodore Olivier*




Gravé par Lemaître




Dessiné par Theodore Olivier

Fig. 56

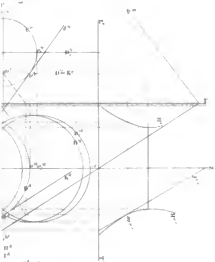


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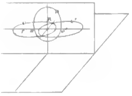


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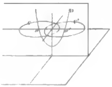


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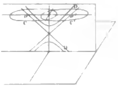


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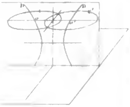


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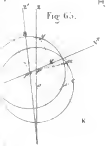


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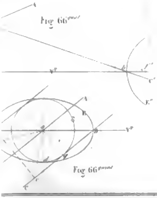
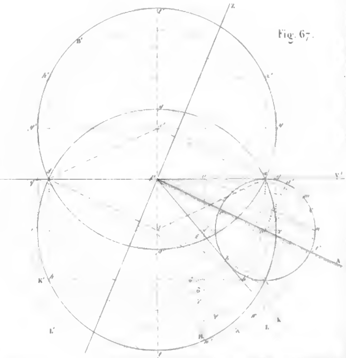
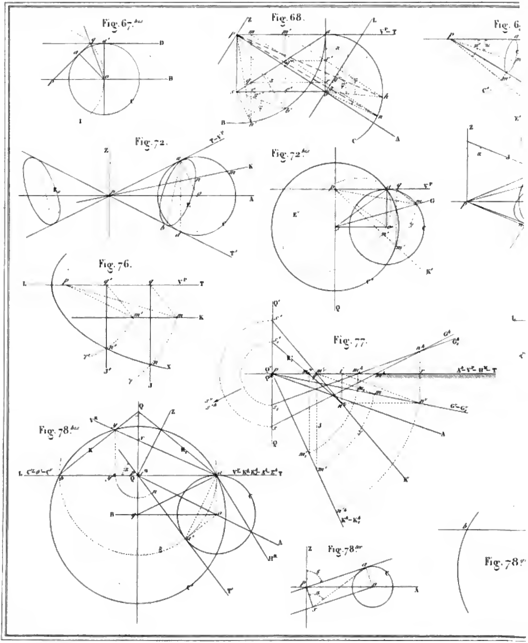


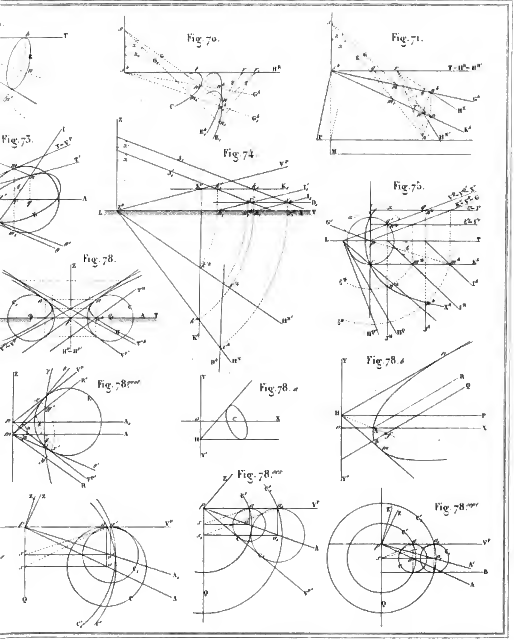
Fig. 66

Fig. 67.

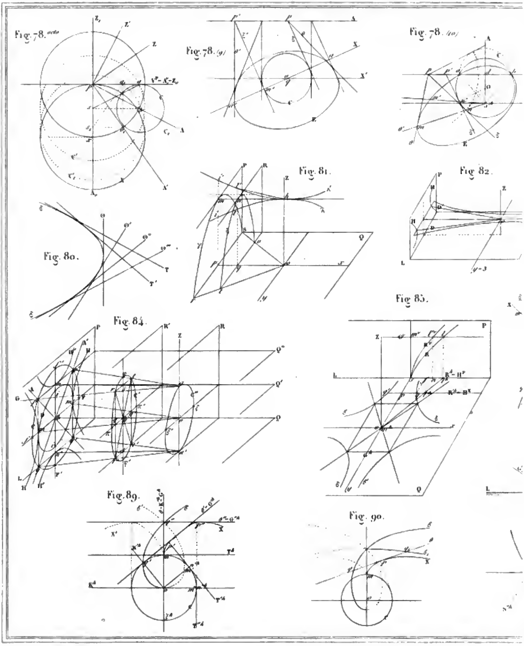




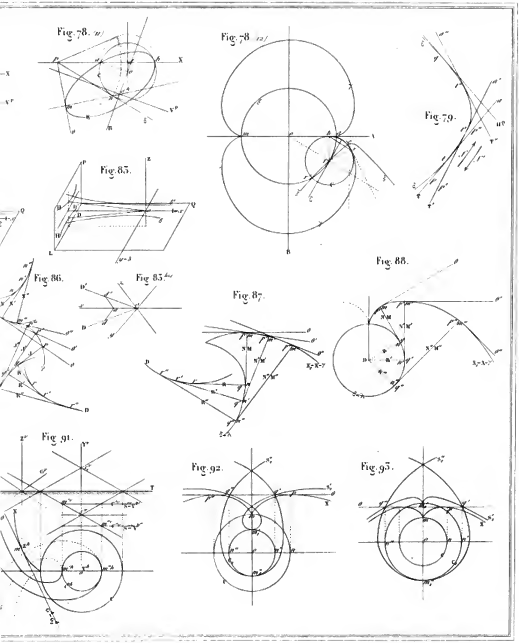

Dessiné par Théodore Olivier



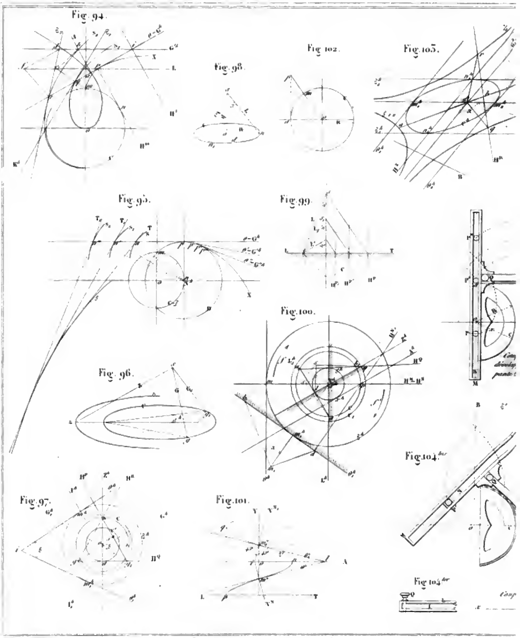

Gravé par Lemaître



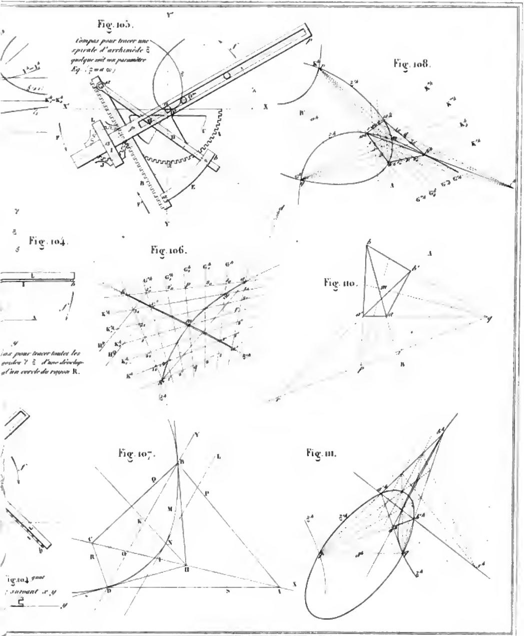

*Dessiné par Théodore Olivier.*




Gravé par Lemaître

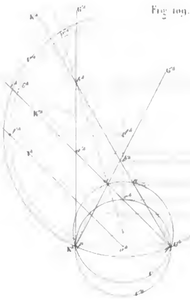



Dessiné par Théodore Olivier




Gravé par Lemaître.

Fig. 109.



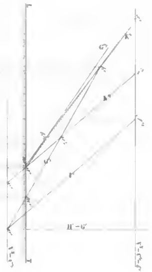




Fig. 116.

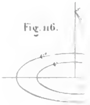


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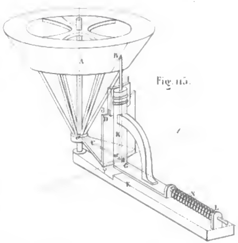
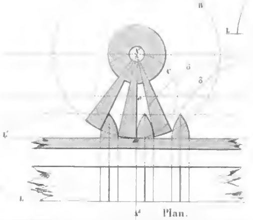


Fig. 117.

Élévation.



Plan.

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g. 112.

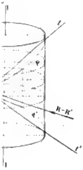


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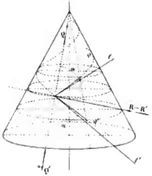
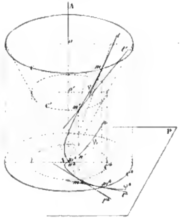


Fig. 114.



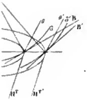
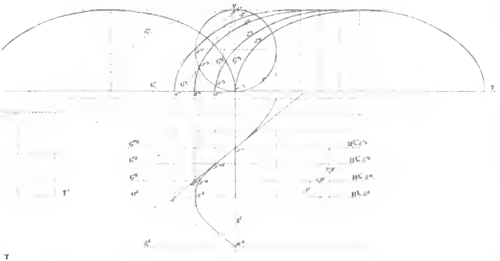


Fig. 118.



Gravé par Lemaître

Fig. 119.

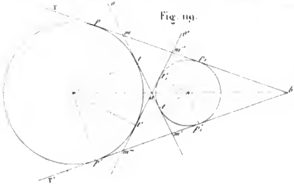


Fig. 1

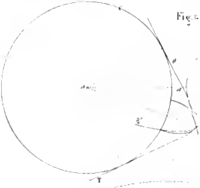


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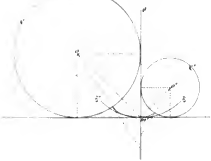


Fig. 121. bis

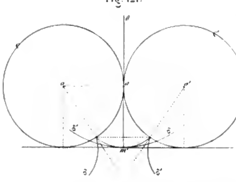
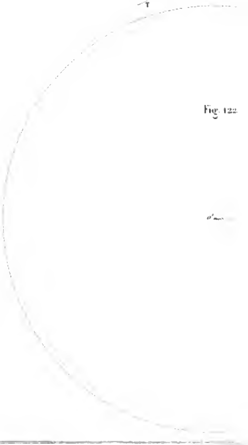


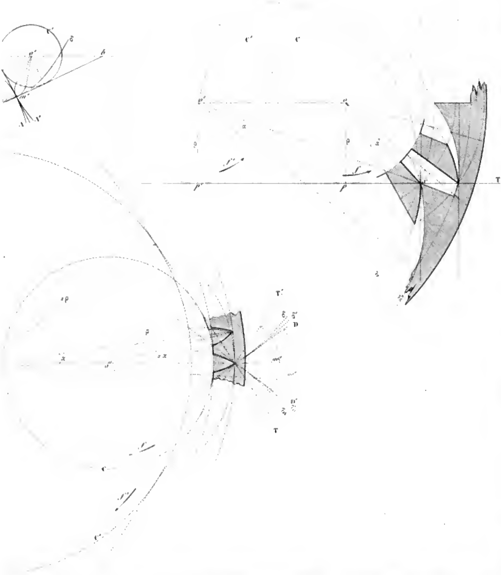
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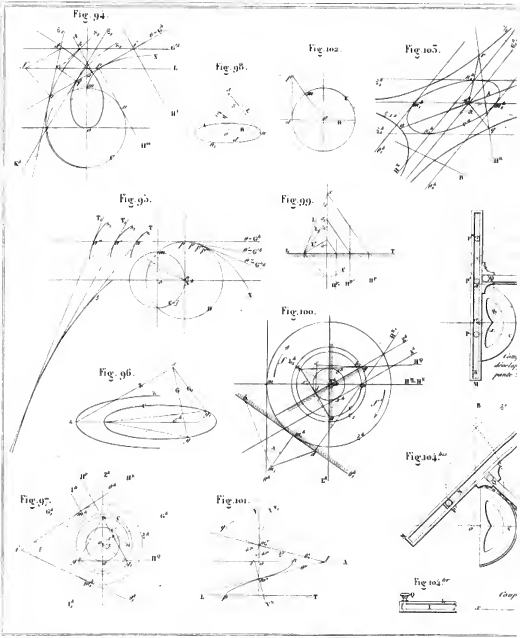


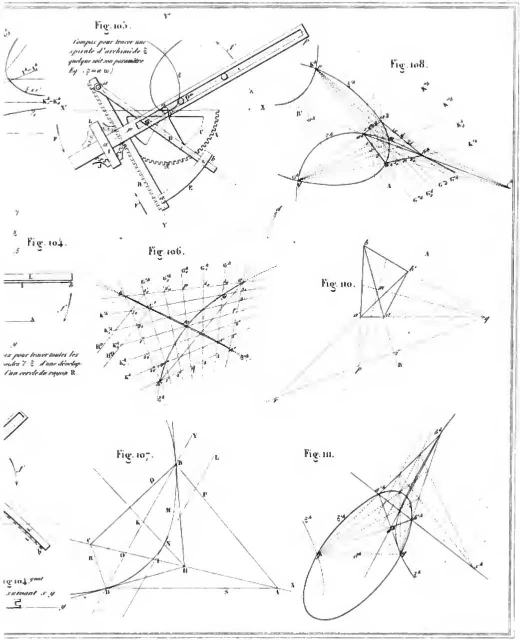
Dessiné par Théodore Olivier.

g. 120.

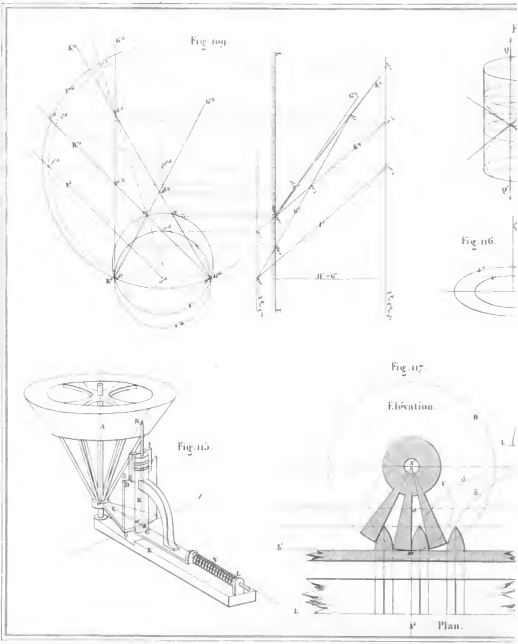
Fig. 123.




Fig. 94.
Fig. 95.
Fig. 96.
Fig. 97.
Fig. 98.
Fig. 99.
Fig. 100.
Fig. 101.
Fig. 102.
Fig. 103.
Fig. 104. bis
Fig. 104. ter




Gravé par Lemaitre




Dessiné par Théodore Olivier

g. 112.

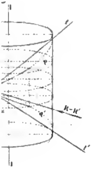


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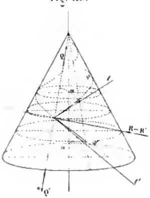
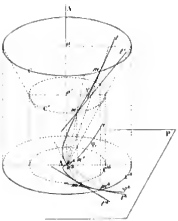



Fig. 114



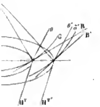
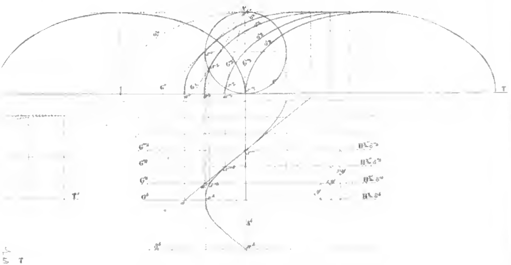
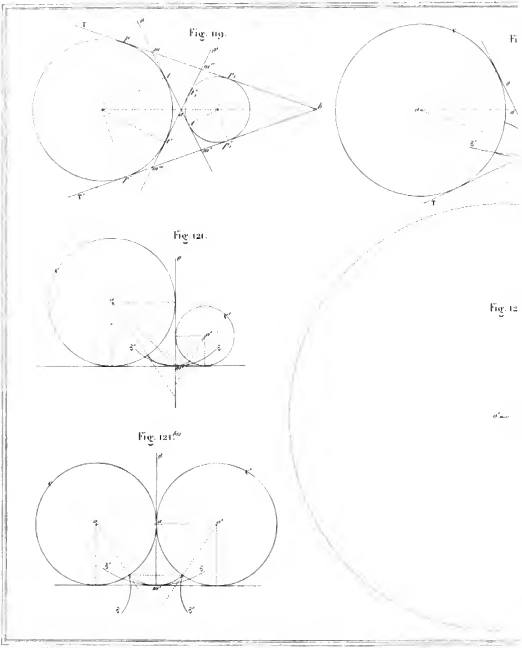



Fig. 118.




Grav. par Lemaître




Dessiné par Théodore Olivier

g. 120. Fig. 125.

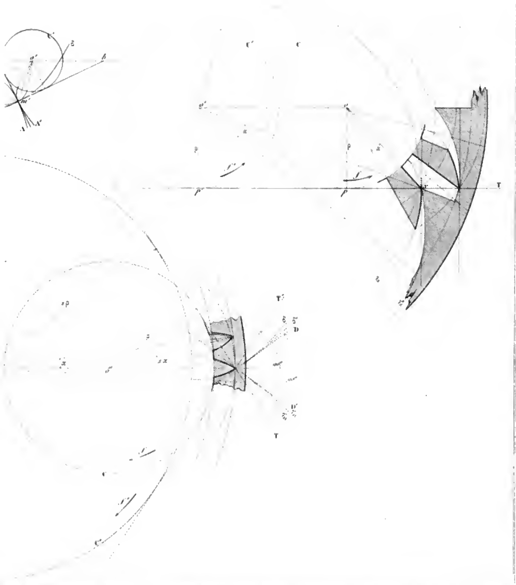
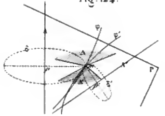


Fig. 124.



*Tracé de la spirale cylindrique.*

Fig. 126.

*Plan.*

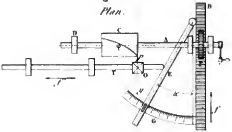
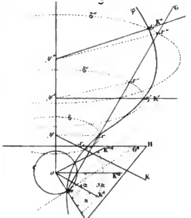


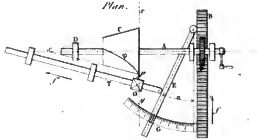
Fig. 125.



*Tracé de la spirale conique.*

Fig. 127.

*Plan.*



*Tracé de la spirale hyperboloïdique.*

Fig. 128.

*Plan.*

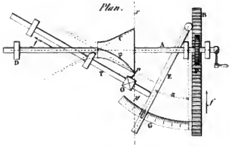
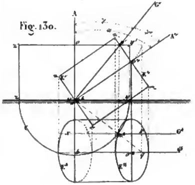


Fig. 130.



*Dessiné par Théodore Olivier*

*Coupe suivant x y.*

Fig. 126.$^{bis}$

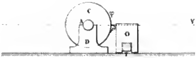



Fig. 129.

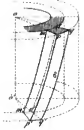
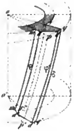


Fig. 129.$^{bis}$



*Coupe suivant x y.*

Fig. 127.$^{bis}$

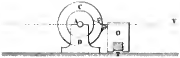
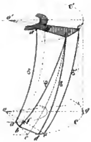



Fig. 131.



*Coupe suivant x y.*

Fig. 128.$^{bis}$

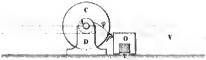
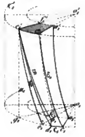



Fig. 132.



Gravé par Lemaître